

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: mjarc@mail.ccnet.com (Michael Jarchow)  
Subject: 75A-4  
Message-ID: <Chameleon.970312161502.mjarc@ccnet.com>

FYI to fellow BA Friends...Just got my 75A-4 back after a tune up and physical from Chuck Rippel..It looks like NEW..Panels and face re-painted, proper mods internally etc..I thought it looked pretty good when I sent it to him, and when I opened the box (not crushed by UPS) I thought I had the wrong receiver..No joke, it looks new...I have never met Chuck personally, but after a few telephone calls and seeing his work I hope that more boatanchors pass through his hands.

73  
Mike W6TS

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "Jim E. Coe" <jcoeb@brightok.net>  
Subject: Abe, where are you?  
Message-ID: <199703122335.RAA15785@sooner.brightok.net>

In late Feb, I put out a plea for a CW OSC knob for my BC-312 project. A list member named Abe in NJ responded by private email that he had one available and gave me a mailing address and instructions.

I sent off the required items to him and the mail was just returned as rejected. Most likely I got the address wrong, but I lost the original mail in a hard disk crash last week and must put out another plea! :-(

Abe, if you get this, would you please send me your snail mail address again.

Excuse the use of bandwidth guys!

73's....Jim

-----  
Jim Coe W5JI  
Davis, Murray County, OK  
-----

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997

From: pmills@A.crl.com (Phil Mills)  
Subject: Re: Abe, where are you?  
Message-ID: <199703130138.AA20104@A.crl.com>

You must be referring to Abe Nutkis...his e-mail is avidov@juno.com...  
he's really a nice guy...I had the pleasure of meeting him during  
a visit he made to the Houston area. He advertises in ER selling  
R390A manuals with a snail mail address of:

P.O. Box 4118  
Jersey City, NJ 07304

good luck & 73,  
Phil

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>project. A list member named Abe in NJ responded by private email  
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>instructions.

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>returned as rejected. Most likely I got the address wrong, but  
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>

>73's....Jim

>-----

>                                Jim Coe    W5JI  
>                                Davis, Murray County, OK

>-----

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>

>

>

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Phil Mills, AB5TH	*****	WTB	S-meter for 75A4	*****
pmills@a.crl.com	*****		80 meter RF coil for 75A4	*****
281-992-5762 days	*****		bottom cover for 75A4	*****
Near Houston, TX				

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: "Don Buska" <d.buska@aaiate.com>  
Subject: Armorall and BA Paint  
Message-ID: <97Mar13.082051cst.809-1@gateway.aaiate.com>

I've been using Armorall (yes the dashboard stuff) on BA panels for the last year or so with very good results. Over a year ago I picked up a Collins 75A2 receiver that had a badly paint oxidized front panel. Apparently it spent a few years in a closet in an unheated part of home in Wisconsin. Thus the St. James gray had a white discoloration to it. I tried a good cleaning with water and soaps, but it would dry looking the same. Then I decided to give it a coat of Armorall and it immediately looked like it was brand new. Now I know that Armorall is just a coating and could be wash off with soap and water, but this has now been on the front of the Collins for well over a year and there are no signs of wear even with all the touching of fingers on the front panel.

So last night I was doing the same thing to the Stancor ST202 that I just picked up. After removing a some light rust with phosphoric acid and water, I applied a coat of Armorall again. Again, the transmitter looks great!

Now for the question, I noticed that the Armorall bottle indicates that it should be used on painted items. This is strange since I have not noticed any adverse effects on these two radios, nor have I seen any change in the actual paint strength or color. Does anyone know what adverse effects this could have on these panels? Perhaps it is years down the road.

I, like many who have expressed these views here lately, am not into repainting radios if I can avoid it. Not having the quality equipment or experience at professional painting, fear keeps me from doing the work. I've seen a great deal of radios at swapfests that I considered to be completely destroyed by paint jobs. Some of these had rather nice work and even silk screened front panels, but you could still tell that it wasn't original. The screened lettering was raised to an extent much greater than the original or some other characteristic which said "hey nice job", but I know it's a redo. I'd rather live with a few scratches.

I figure at least with the Armorall if you want to go back to the original oxidized paint look all that need be done is a good cleaning with water and soap. Your ideas?

Don N900

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*****  
**                                     **  
**      Don Buska N900 (EN62bo)      Principal Engineer      **  
**      d.buska@aaiate.com           Advantest America Inc.   **
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**      4508 64th Ave                      Buffalo Grove, IL      **
**      Kenosha, Wisconsin 53144          (847)821-3393             **
**      (414)654-0072                      fax (847)634-2872        **
**                                          **
**      ARRL-LM      AWA      AMI      CCA      QCWA      CSVHFS      NTMS      **
**                                          **
**      Wants:  Transmitters by Thordarson, Stancor, UTC and      **
**              other transformer companies.                      **
**              Receiver: National NC-101XA w/speaker            **
**              Magazines: 73 Mag's from 1960/61/62              **
*****

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From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
 From: Michael Hanz <AAFRadio@erols.com>  
 Subject: Armorall and BA paint  
 Message-ID: <33287125.12C2@erols.com>

> I figure at least with the Armorall if you want to go back to the original  
 > oxidized paint look all that need be done is a good cleaning with water and  
 > soap. Your ideas?

I'll just share with you that I still roundly curse the (certainly) well meaning application of Armorall by a couple of previous owners of some of my gear. I could live with the yucky "sticky" feel of the silicone, but since I do a lot of repainting and restoration, the application of ANY silicone means hours of work trying to repair fisheyes and getting stubborn spots to accept paint of any sort. I suspect that's why they warn against it on the bottle. The only thing I know that will remove ALL silicone compounds is air conditioning Freon (you have to be quick, and wash the panel while the freon is still liquid and in the process of boiling away.) Given its price and (still debated) environmental effects, that option isn't open to us any more. If you want your panels to look just as good without the drawbacks of the silicones, get a good leather polish like Tannery - it will do a better job than Armorall without the side effects. It's terrific on black wrinkle, by the way.

Not being critical - everyone has a right to do their own thing to their own equipment.  
 I just wouldn't use it on mine, with all the other options available.

73,  
 Mike

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: "Don Buska" <d.buska@aaiate.com>  
Subject: RE: Armorall on BA's  
Message-ID: <97Mar13.093606cst.809-1@gateway.aaiate.com>

>Now for the question, I noticed that the Armorall bottle indicates that it  
>should be used on painted items. This is strange since I have not noticed

Sorry folks that should read that the bottle indicates that it should NOT  
be used on painted items. A big difference! I should proof read my  
messages more often.

73

Don N900

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Greg Roecker <roecker.greg@ist.mds.lmco.com>  
Subject: RE: Armorall on BA's  
Message-ID: <Chameleon.858267523.greg@roeckerpc.ist.mds.lmco.com>

I noticed that the Armorall bottle indicates that it  
>>should be used on painted items.  
>Sorry folks that should read that the bottle indicates that it  
should NOT  
>be used on painted items  
>73  
>  
>Don N900

-----End of Original Message-----

I have only used Armorall on rubber gaskets etc. . . . I use  
lemon oil on black crinkle . . . or any crinkle surface like  
cabinets and front panels. It really makes it come to life!!!!

73,

Greg Roecker / N40SJ

-----  
Greg Roecker

E-mail: roecker.greg@ist.mds.lmco.com

Voice: 770.698.5226

Fax: 770.698.5220

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>

Subject: RE: Armorall on BA's

Message-ID: <Pine.OSF.3.91.970313104126.28598A-100000@beall.tenet.edu>

Hi Greg (et al):

Cast my vote on wrinkle for the tip Don Merz (es others) passed along a while back...GoJo. It really did a nice job on the SX-28 I'm working on. One caveat, it WILL remove markings on toobs! (I found out inadvertantly). So test on inconspicuous place first, etc.

Only other problem I've had with this was finding the stuff! Thought perhaps it had been put on some EPA "hit list", as the first <several> auto shops and hardware store chains (HD etc.) had many <other> flavors but not the original, sans pumice. Most everything else had some degree of surfacants listed high on the ingredient list and/or was a citrus-based product...which may/may not be OK on panel surfaces (works OK for me on chassis cleaning), but why take a chance. Finally found it (in the <major> size can, too) at the <SUPER> Wal-Mart in Beaumont, TX...home of all things hazardous chemical-wise (my hometown, gotta love it...check the WHO global map of cancer-incidents per 100K population, it's right up there with Bhopal and Chernyobl, hi!) YMMV.

73, Gerald W5BA

cdent@tenet.edu

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: Karan Lee Carruth <klccarru@tenet.edu>

Subject: RE: Armorall on BA's

Message-ID: <Pine.OSF.3.91.970313141840.1904A-100000@Joyce-Perkins.tenet.edu>

WD-40 works great on painted surfaces including wrinkle finishes.

Black wrinkle finishes can often be restored with a light coat of Krylon semi-flat black.

Lenox

Carruth@swbell.net

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997

From: sinned@VNET.IBM.COM  
Subject: BA folks ID at Hamfests  
Message-ID: <199703121844.MAA28907@uro.theporch.com>

I'm toying with the idea of a T-shirt with big letters "QRZ BA de W5FRS" for wear at the coming Belton Hamfest.

There was a thread about ID'ing fellow crewmembers at such events. Was anything ever decided upon by the group?

Dennis W5FRS

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "Edward J. Zeranski" <ejz@nosc.mil>  
Subject: Re: BA folks ID at Hamfests  
Message-ID: <2.2.32.19970312212309.00a9c124@marlin.nosc.mil>

>There was a thread about ID'ing fellow crewmembers at such events. Was  
>anything ever decided upon by the group?  
>  
>Dennis W5FRS

Better to go in the conceal or stealth mode so the sharks don't see ya' coming and pump dem prices. ( As the Chief said " Stay low, move fast, check six!") BA folk can meet by checking out the gang looking at tube gear, who is butt-up looking through those ratty boxes of nondescript junk, or wearing a truss 'cause of the last "find". Hope to see some of that kind of folk in San Luis Obispo on May 3 at the Mil. Radio Collectors Grp. get together!

Ed Zeranski ejz@marlin.nosc.mil, work  
ezeran@cris.com home  
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: ARONGV@aol.com

Subject: Big Horn Museum Sale

Message-ID: <970312232044\_-1305099426@emout19.mail.aol.com>

Hi Gang:

Wonder how many of you picked up on a post from Don at the Big Horn Museum, Genoa, CO?

Apparently they somehow get involved in estate sales, etc. Don told me they had hundreds of BA for sale. Now don't start salivating just yet.

I was looking for a few things, and among them I picked up a nice Valiant II for \$200.

Don was on his way from Co to Boonville, MO for some R&R, so I met him at a rest stop on I-70 and made the excahnge.

He passed off a list of everything for sale (162 items). I'll list a few, but as for looking over the entire list/ it's a bit like shopping at K-Mart. If you know the actual prices, some of the sale prices don't look too good.

For the following, I have seen none of it, and the rating is strictly from the Museum.

Please contact Don if you want a list or if any of these gems give you the urge:

S22R, EX \$100

T4X Parts rig \$30

R4 Parts Rig \$30

T4X Vy G \$200

R4B Vy G \$200

L4B Vy G \$600

Eldico S-119 Ex \$1500

B&W 5100B/SSB \$200

HQ-140X Vy G \$125

HX-500 G \$125



viking Adventurer Vy G \$100

NC-101X (rack) G \$125

Heath Seneca VY EX \$150

Collins 32S-1 Vy G \$225

Drake W-4 Vy G \$65

Like I said, I can't vouch for this stuff. What he delivered to me was very good.

Don will be incognito in Mo for next week, but he advises that if you want something, query him at k0wo@juno.com.

I have no connection with Don or the museum, except for my deal today. I do have a number you can call.

Happy Hunting

73s Ron W00IZ

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: jkh@lexis-nexis.com (John Heck)

Subject: Books For Sale

Message-ID: <9703131808.AA12248@beans.lexis-nexis.com>

Folks,

I have the following books for sale. All prices are plus postage. Please reply via private email. Thanks.

"How It Works - An Encyclopedia of Mechanical Knowledge", Ellison Hawks, 1941, 510 pages. Very good condition except the spine is rather faded. This book is a little unusual because, although printed in America, and seemingly an American treatment of the subject, most of the illustrations and examples of the subjects treated are British. Despite the title, there are nice chapters on Telegraphy, Telephone, Radio, and Television. The Telegraphy is an especially nice treatment of landline with many illustrations of much earlier equipment, more like teens/twenties to my eye. The treatment of Television is, of course, early and elemental. The price is... \$12.50

"Annual Report of the Smithsonian Institute", 1913. excellent condition, 804 pages.

Along with a host of articles on a wide variety of natural historical subjects you will find an article entitled "Wireless Transmission of Energy" by Elihu Thompson, which is 17 pages of the whole. This article attempts to give an overview of the subject and includes the then current views on propagation of high frequency transmissions. Nice book for... \$12.50

"GE Silicon Controlled Rectifier Manual", 3rd ed., 1964. Spiral bound in excellent condition. This is a manual covering the \*design\* of rectifier circuits and, in addition, offers information on component specs as well. This is the book you need if your going to cook up some solid state power supplies and you can buy it for only... \$15.00.

The following two books I am selling as a set:

"Elements of Radio Communication", J.H. Morecroft, 1929, 270 pages. Excellent condition. This book, and its companion volume(description to follow), are included in the ARRL "Amateurs Bookshelf Selection" in the January, 1936 QST, and possibly in earlier issues as well. The 'Elements' seems to be written for an 'in business' amateur who wants to have a more technical understanding of the equipment he is operating and perhaps wants to build. It has some elementary electronic information, but then goes on to cover communication topics unit by unit, receivers, transmitters, antennas, propagation, etc., and not only offers technical explanations on how they work but also hints and tips on how to optimize your use of them. Very nice treatment of this subject.

"Principles of Radio Communications", J.H. Morecroft, 1929, 1001 pages, fair condition. This book is the companion volume to the 'Elements' and is the electrical engineers treatment of the communications art as it was understood in 1929(and really earlier, due to the time taken to write and publish the book).

Well illustrated and extensive math is used, but an elementary grasp of differential calculus will enable one to take in 98% of the book and algebra will suffice for the most part, really. This is a through treatment of radio electronics. This book has been \*used well\*. There is writing on many pages, and the formewr user made up a tube chart and taped it onto the back cover. This does not effect its readability, though. The book has also been laid in a

damp place and the back cover shows some staining and mildew, but this has not affected the pages.

The price of this set is... \$25

"National Radio Institute", Radio and Communications Course. Washington, D.C., 1959 edition. Very good condition. This is an excellent treatment of radio technology presented in 78 lessons. 78 individual soft bound booklets are

bound into two custom binders(about the size of the binders for fifties/  
sixties

QST annual binders). In addition there are 5 or 6 lab booklets at the end.  
Each booklet is in excellent condition. The whole course is quite inclusive  
of the communications art and includes courses on Marine and Aviation radio,  
as well as commercial radio broadcasting and television broadcasting. I think  
this is a complete course, but I can't really be sure. There is a whole lot  
of information here for only... \$25.00

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: leeboo@ct.net (Leon Wiltsey)  
Subject: Re: Crystal sets on ham bands  
Message-ID: <199703130220.VAA22959@blue.ct.net>

>Date: Thu, 13 Mar 1997 00:31:00 GMT  
>Errors-To: ws4s@infoave.net  
>Reply-To: k5rov1@worldnet.att.net  
>Originator: glowbugs@sco.theporch.com  
>Sender: glowbugs@sco.theporch.com  
>Precedence: bulk  
>From: James Parsons <k5rov1@worldnet.att.net>  
>To: Multiple recipients of list <glowbugs@sco.theporch.com>  
>Subject: Re: Crystal sets on ham bands  
>X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas  
>X-Comment: Please send list server requests to listproc@sco.theporch.com  
>  
>At 09:43 PM 3/12/97 +0000, you wrote:  
>>>  
>>> I also bought a philmore crystal set that was advertised on the back of  
>>> funny books. I had a paper route and thats how I paid for all of this.  
>>>  
>>> Anyway, it was a great start to a HAM career, mainly as a builder. I have  
>>> loved crystal sets ever since.  
>>>  
>>  
>>  
>>James,  
>>  
>>Bet that outfit on the back of the comic book was Johnson Smith Company in  
>>Detroit.  
>>They still exist after moving to Mt. Clemons and now to Florida. I have  
>>seen one of their catalogs in recent years. They are not into crystal  
>>radios anymore but still have all the wonderful gags and joke items.  
>>  
>>Bought my first detector from them for 25 cents in 1948.  
>>  
>>Regards,

>>  
>>~~~~~  
>>Andrew E. (Andy) Howard, Sr., WA4KCY  
>  
>Gosh, Andy, it sure was Johnson Smith Company. I have been trying to  
>remember that name for years. I used to gaze at all the goodies they had,  
>but just couldn't afford much, even though the stuff was not expensive. That  
>was right at the upturn from the depression, and not many had much money. In  
>fact, very few hams had commercial rigs.  
>  
>Thanks for reminding me of the name. Interesting that they are still in  
>business...  
>  
>73  
>  
>Jim, K5ROV  
>EX: KA2FC (JAPAN), KA2JP (JAPAN), SV0WN (CRETE), SV0WN (RHODES),  
>DL4NC, W1RLA, K4FEO, K5FBB  
>John 3:16  
>  
>  
>

Thank the good LORD for all that you have!!!

Leon B Wiltsey jr. (Lee)

68yr old semi disabled senior  
(stroke got my balance and coordination)  
play keyboard and sing  
music 1920's to 60'  
none of the 80'S- 90'S noise

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Michael Hanz <AAFRadio@erols.com>  
Subject: Re: Crystal sets on ham bands  
Message-ID: <33286814.7C39@erols.com>

I understand there was a generally unstated condition on this thread, namely, no amplification after the crystal, but I was cleaning one of the WWII ECM receivers last night and remembered that there were several of the crystal sets in question sitting in front of me! (At least if you count the 2 meter band on up.) The (in)famous APR-4 had four plug-in crystal (1N22) detectors with preselection

that went from 74MHz up to 4,000MHz! The APR-5 goes from 1 to 6 GHz. The APR-2 covered 90 to 1,000MHz in a continuous sweep, 30 times a second! ...all "crystal" sets, in the broader sense. 'Course, it took 100 dB of IF gain after the crystal to do anything useful with the signal, but there's no reason it wouldn't work at HF if you remove the artificial "no active components" constraint. The noise level is certainly low...

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Paul Nelson <drhydro@ames.net>  
Subject: Dynamotor bearings etc....  
Message-ID: <l03010d00af4c96e455a5@[1.1.1.1]>

Mike Hanz, KC4TOS, wrote, among other things....

> All the MIL dynamotor and inverters I've  
>ever seen (I just counted 46 of them now in this stoopid rig) have ball  
>>bearings  
>with hardened steel races. Oilite is a bronze bushing type of material  
>that has oil embedded under heat and pressure in a porous bronze matrix. It  
>does NOT last forever, unfortunately, but you can recharge it (to a  
>degree) by  
>putting the bushing in a hot oil bath (preferably when your XYL is out on a  
>shopping spree). It is normally used for cheaper, lower speed applications.  
>Price a ball bearing electric motor versus a plain bearing (oilite) motor  
>>sometime!  
>Now, the ND 34KDD bearing may be the ball bearing type for all I know. I  
>just >found  
>the combination puzzling. You can still get bearings for most all the  
>>dynamotors,  
>but it may take a bit of research with a good bearing house plus the  
>dimensions >of  
>the bearing you're replacing.  
>  
>73,  
>Mike Hanz KC4TOS  
>Herndon, VA

Mike's right about the oilite vs. ball bearing stuff...The 34KDD is a correct number for a double shielded bearing, it'll cross reference to a number of other manufacturers... that number, however, doesn't specify the lubrication furnished although there may be a default. If you're replacing a typical dynamotor bearing, it's best IMHO to work with a bearing supply

house to get a matching bearing with ONE side shielded (in this case, that might be a 34KD), so you can stick in yer own greeze..... The stuff Mike recommends, Mobilith SHC 100, is a good fit for our vintage dynamotors. In my opinion, Lubriplate is NOT a good fit. It's optimized for sliding surfaces, as I've been told, and I'd much prefer to use stuff that's known to be good for ball bearings. One excellent resource for bearing lubricants (and more strange lubrication requirements) is the William F. Nye Co., in New Bedford, Mass.

About the availability of bearings for old stuff.... I overhauled a Norden bombsight for the Seattle Museum of Flight's B-17 a year ago... and it took me all of three or four phone calls to locate NEW bearings for the gyroscope in that beauty. And those were mighty wierd bearings! The bearings that most dynamotors use are really very standard, still used, and easy to get. I'll post some sources in a few days- if anyone has really strange requirements, I'd be willin' to help find a source.

Paul Nelson W5GNF  
Ames, Iowa

"When I go, I want to go quietly, in my sleep, like my grandfather- not screaming, like his passengers."

(DrHydro@ames.net)

Cessna 140 N77149

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: jproc@bellglobal.com  
Subject: RE: Dynamotor bearings etc....  
Message-ID: <Chameleon.4.01.2.970312212903.jproc@jproc.bellglobal.com>

>About the availability of bearings for old stuff.... I

Years ago, when the Smithsonian Institute restored a German FW-190, they were able to purchase all new bearings for the engine because the bearing design and specifications remain unchanged from 50 years ago.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
Radio Restoration Volunteer  
HMCS Haida Naval Museum  
Toronto, Ontario  
-----

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: owens@stout.atd.ucar.edu (Chip Owens)  
Subject: Eimac Tubes  
Message-ID: <199703122112.0AA08212@atd.atd.ucar.EDU>

Hi Gang,

Perhaps this is old news to some but...I just called RF Parts

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: dr.electron@juno.com  
Subject: RE: EV 664  
Message-ID: <19970312.094341.10278.14.dr.electron@juno.com>

Hello;

I see a lot of EV 664 references on the list. Is it a commonly used mike for Ham ? About the smoothness of its sound, it doesn't get much better. There are butter or wurst in some parameter, but on average it's a great mike for sound recording & P A . Probably why 1000's went to the TV industry & are still in use there. I spot them often on old tv reruns and especially press conferences. Where there's 100 mic's lashed together & cables everywhere.

Regards, Richard

# # #

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: Glenn Finerman <GFINDER@nms.com>  
Subject: re: EV 664  
Message-ID: <s327cb05.007@nms.com>

re>I see a lot of EV 664 references on the list. Is it a commonly used  
>mike for Ham ? About the smoothness of its sound, it doesn't get much  
>better. There are butter or wurst in some parameter, but on average it's  
>a great mike for sound recording & P A . Probably why 1000's went to  
>the TV industry & are still in use there. I spot them often on old tv  
>reruns and especially press conferences

Being a former commercial recording studio owner I can speak from experience when I say the 664 is not considered a "recording" mike. Electrovoice may have wanted that status, but I've been to most of the major studios in the NYC area and I've never seen one being used for recording music or voice. That's not to say the 664 doesn't make an excellent communications mike. The primary application was P.A.

and voice, (TV & Radio news media, etc..) I've seen one in just about every high school I've visited plugged into that floor mounted jack in the stage, probably connected to a Bogen P.A. amplifier. EV does make some AMAZING recording mikes like the RE-20 (I own one and use it on AM) that's the one you see Kelsey Grammer talking into on the "Frasier" TV show. Please NO FLAMES and no flames intended, just calling it what it is, a great voice quality mike, not a studio recording mike. Just my 2hz...

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: exciters  
Message-ID: <33280384.72EF@txdirect.net>

This is a multi-part message in MIME format.

-----55535754484A0

Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii

I stand by my original explanation that the exciter was originally the ocsillator or RF generating ellement of a transmitter. It may be used alone (tied directly to the antenna), in which case it is both the exciter and the transmitter (which is always tied to an antenna) or in conjunction with further stages (amplified, modulated, frequency modified).

If one must differenciate between the two, the exciter is the RF generator and the transmitter is the ellement tied to the antenna. The exciter can be tied to the antenna during which it becomes both, but a transmitter cannot exist without the exciter.

Bill K5LLK

-----55535754484A0

Content-Transfer-Encoding: 7bit  
Content-Description: Card for William B. Ross  
Content-Disposition: attachment; filename="nsmailAF.TMP"  
Content-Type: text/x-vcard; charset=us-ascii; name="nsmailAF.TMP"

BEGIN:VCARD  
FN:William B. Ross  
N:Ross;William B.  
EMAIL;INTERNET:billross@txdirect.net



X-MOZILLA-HTML:F  
END:VCARD

-----55535754484A0--

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Ho4bart@aol.com  
Subject: Re: Exciters vs transmitters -- historical thoughts  
Message-ID: <970312125413\_-2107938158@emout06.mail.aol.com>

In a message dated 97-03-11 21:13:21 EST, rdkeys@csemail.cropsoci.ncsu.edu writes:

<< ... in a time long ago, when xtals came into vogue, and put out nil power, you HAD to run a two or three stage set to get any power output. Typical xtal oscillators put out about 1 watt, and were used to drive a 5 watt stage, and maybe a second stage of 50 watts, and maybe maybe a final stage of 100-250 watts or more, at best. >>

sure about this? i have seen some single tube xmtr plans from early to mid 1930s using one enormous tube like 814 or 203. i have a navy air xmtr from 1929 uses quartz control plus one big triode ( type 203 ?? unsure, it was broken, & no schematic). these single tube xmtrs used from 600 - 1000 jolts on the plate and of course usually a pilot lamp in series with the quartz as a sort of warning lamp for xtal overcurrent as well as a 'fuse' for the xtal.  
hue miller

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: "Robert P. Buehlmann" <w4tim@mindspring.com>  
Subject: FS Enclosed 19" relay rack with 74" for goodies  
Message-ID: <1.5.4.16.19970312235622.126fd290@pop.mindspring.com>

>To: glowbugs@sco.theporch.com  
>From: "Robert P. Buehlmann" <w4tim@mindspring.com>  
>Subject: FS Enclosed 19" relay rack with 74" for goodies  
>  
>Fellow weight lifters in need of piling it higher i:e PHH degree holders  
>  
> Have one enclosed 19 inch relay rack on large casters that has 74 inches  
>of space for those chassis you need to get off the floor. Unit is 21 inches deep  
>and has removable rear door. Currently disassembled; it could be crated for

>shipping but pickup would be preferable. Certainly will not go UPS. Unit is  
abt an 8+ out of 10 in condx.Open to offers and, if so desired, shipping costs.

>

>

>73 de Tim W4TIM

>

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: "Edward J. Zeranski" <ejz@nosc.mil>

Subject: Re: FS Enclosed 19" relay rack with 74" for goodies

Message-ID: <2.2.32.19970313160646.00a6cbd4@marlin.nosc.mil>

>> Have one enclosed 19 inch relay rack on large casters that has 74  
>inches of space for those chassis you need to get off the floor. Unit is 21  
inches  
>deep

Watch out for moving this thing if it is really racked and stacked  
full and you have anything at all on the floor that can bring the casters to  
a sudden stop. Twice this year "professional" movers have flipped racks that  
have survived a cross country truck ride or airfreight. One rack hit hard  
enough to shift the rails back 4" and shear the mounting tabs off some  
chassis. The other warped the rack so badly that none of the slide mounted  
gear would roll out without MUCH force and Naval terms. Now I send  
instructions that nothing leaves the pallet until I'm on site. Even when set  
for use "outriggers" or stabilizers are a good idea. Luckily nobody got hurt  
but it was close.( just like the "Don't Tip" stickers on Coke machines) This  
is something I, and perhaps others, should keep in mind as sometimes chances  
are taken at home that would never pass on the job. ie: I've worked on live  
HV ckts and cut in live 240 AC by myself in the garage/shop which I don't  
normally do at work.

I can see the obit now, Estate Sale, Bearded whacko killed by  
falling mountain of ancient comm gear.

enough yak see ya later.

Ed Zeranski ejz@marlin.nosc.mil, work

ezeran@cris.com home

Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No  
person,employer,or govt.should try to take credit for it!

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "William C. Robbins" <billrobb@net-link.net>  
Subject: FS: HA-1 Keyer  
Message-ID: <199703121711.MAA16213@serv01.net-link.net>

I just received another Hallicrafters HA-1 T0 Keyer in a trade deal. I had one for sale a few weeks ago and received several responses about it. It sold quickly and I did not keep any backup offers.

This one is in excellent condition and works well. The side-tone does not function, however.

Would prefer to trade it for Heath gear or but would consider cash.

Thanks,

Bill

William C. Robbins                      Heathkit Collector  
billrobb@net-link.net

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
Subject: FS: Military Stuff  
Message-ID: <326d6750@scs.philips.com>

BC-454-B Receiver - serial #0135613 by Western Electric (MFP 4/45), covers 3-6 MHz, has a decal stating "Notice Connected for Low Impedance Output", no visible modifications, no dynamotor, missing the small tuning knob, dirty outside, clean inside. Best reasonable offer by 5 pm CST Friday March 14.

CS-137 Case - serial #4250 by Darnell Laboratories (Order 57-60-PHILA-45-53), holds 120 HC6/U crystals in two separate felt compartments, very good condition. Best reasonable offer by 5 pm CST Friday March 14.

Brian Harris WA5UEK

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: w7fg <w7fg@w7fg.com>  
Subject: FS: possible Estate sale gone sour  
Message-ID: <199703130413.WAA11608@cc\_ux\_00.cimcase.com>

I just received word that the Estate of equipment I listed on

Saturday evening has turned down my offer (Actually yours). Apparently they hired a Professional appraiser to come in this week. I was told every item we listed was much under priced in the appraisers report/view.

Apology from me to you who made offers. Sorry for getting you anticipating a DEAL, and having to wait for this kind of news.

Responses will be made to all who E-Mailed me, but not to-night.

By the Way we received 64 E-Mail notes from the single post.

Gary

```
-----  
| W7FG Vintage Manuals |  
| 3300 Wayside Drive |  
| Bartlesville, Oklahoma 74006 |  
| |  
| Telephone: 918-333-3754 |  
| Orders Only: 800-807-6146 |  
| |  
| HomePage: http://www.w7fg.com |  
| E-Mail w7fg@w7fg.com |  
-----
```

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: dfrancis@access.usa.net (Dexter Francis)  
Subject: FS: RME VHF-152A (10/6/2 converter)  
Message-ID: <v01520d04af4c870434df@[207.0.57.74]>

My motto is "dusty, not crusty" and this one definately fits.  
It looks like it's never been to a swap meet.

All origional, no paint chips or cracks.  
Dial cover is also not cracked or chipped.  
Missing AC plug on line cord...but...  
Unit powers up with no smoke.

Just as it appears on the cover of the August 1952 CQ.  
This unit would really round out a 1950's vintage station.

Handwritten note on inside of bottom cover reads:

Personal Property of -  
Francis S. Dunn - W8DTR  
267 Inverness Ave.  
Vandalia, Ohio

Any one care to make an offer?

As usual, I'm negotiable and will give a few days for the opportunity to propagate.

-df

\* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 \*  
\* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net \*  
\* For our current listing of New and Used Tubes try \*  
\* [http://www.usa.net/~dfrancis/CWest\\_Tube\\_Sales.html](http://www.usa.net/~dfrancis/CWest_Tube_Sales.html) \*

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: Tom Clarke <fclarke@erols.com>  
Subject: Re: Glowbugs in C-130  
Message-ID: <331AA154.6CF9@erols.com>

I fly a KC-130F (1961 model) nearly every day and it still has the good old SCR-718 "Green Worm" radio altimeter. All tubes, around 300 Mhz I think and still works. Nobody does pressure pattern navigation anymore, heck, who even remembers Pressure pattern nav??

73 Tom W40KW  
fclarke@erols.com

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: dfrancis@access.usa.net (Dexter Francis)  
Subject: Re:Hammarlund Insanity  
Message-ID: <v01520d03af4ddfebb990@[207.0.57.74]>

Hmmm.....

I'm not familiar with this radio, but can't help but wonder if the tuning indicator could be driven "backwards" from the way it ought to go, by someone having mis-strung the dial cord , or some such...

Just a thought.

-df

\* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 \*  
\* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net \*  
\* For a current listing of New and Used Tubes try \*  
\* [http://www.usa.net/~dfrancis/CWest\\_Tube\\_Sales.html](http://www.usa.net/~dfrancis/CWest_Tube_Sales.html) \*

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Hammarlund Insanity!  
Message-ID: <19970312.205438.6911.0.k7yha@juno.com>

Well, Gang, it's been a couple of weeks since my last plea.....I gotta tell 'ya this radio is kicking my butt!

I have aligned the IF (both the 455 and the 3035 kc portions) a total of four (4) times with the generator (an HP 606C) attenuated to 80 dBm. I am satisfied that the IF is properly aligned.

HOWEVER, when I try to do the RF alignment, no matter what I do, the receiver tunes backwards!

I have started on 10 meters and worked down to 160 and I have tried the reverse, to no avail.

I set up the generator at the low end of which ever band I try to align, make sure that the HQ-110 dial is at the low end of the band, tune the associated HF oscillator coil for max indication on the Tek 465B scope attached to the output of the last IF.

Then I try moving the RF generator up the band a few KC to see if the dial tracks, and I hear NOTHING! However, if I move the dial below the lower edge of the band a few KC, there is the generator.

I'm going nuts!

HELP!

73 rich K7SZ

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: John Kolb <jlkolb@cts.com>  
Subject: Re: Hammarlund Insanity!  
Message-ID: <Pine.SCO.3.91.970312223519.22746C-1000000@sd.cts.com>

On Thu, 13 Mar 1997, Richard H. Arland wrote:

> Well, Gang, it's been a couple of weeks since my last plea.....I gotta  
> tell 'ya this radio is kicking my butt!  
>  
> HOWEVER, when I try to do the RF alignment, no matter what I do, the  
> receiver tunes backwards!  
>

Does the receiver use dial cords rather than direct drive like the HQ-180? I can visualize wrongly strung dial cords turning the cap the wrong way. Check that the cap is completely closed at the low end of the dial and open at the high end - just an off the wall thought.

John KK6IL

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Hammarlund Insanity- an update!  
Message-ID: <19970313.043926.12319.22.k7yha@juno.com>

Gang:

MANY THANKS too all who have responded to my two postings.

I have a bunch of things to look at and try.

I believe that the dial is strung properly, but will double check tomorrow....Murphy, you know!

Will try and track the LO with a separate SW receiver. My HP 5245L counter is not sensitive enough to read the LO directly.

I think I have answered everyone who wrote, personally. If not, please forgive me. All inputs were read and printed off for future use.

This group is a great bunch. Tnx again.

73 rich K7SZ

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Re: Here's your chance guys!

Message-ID: <1.5.4.16.19970312104636.301f5978@pop.mindspring.com>

>>> From: Joe @ h.r.e. <hre@teleport.com>  
>>> Newsgroups: rec.radio.swap  
>>> Subject: HAM RADIO STORE FOR SALE !!!  
>>> Date: Monday, March 10, 1997 5:58 PM  
>>>  
>>> HRE IS FOR SALE !!!!  
>>>  
>>> <http://www.teleport.com/~hre/>  
>>>  
>>> (503) 598-4736  
>>> (503) 598-HRE6

Hey,

This guy has been trying to sell for 2 years or more. Someboby buy him out so we can all rest easy.....

Dave K4JRB

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Clark Thompson <cmthomp1@facstaff.wisc.edu>  
Subject: Hickock 295X?  
Message-ID: <3326FEBA.6AC0@facstaff.wisc.edu>

Hi Gang,

Anyone know something about a Hickock 295X signal generator? Is one on good shape worth \$80?

Thanks & 73,

Clark, KD9QI

cmthomp1@facstaff.wisc.edu

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Al Klase <skywaves@bw.webex.net>  
Subject: Hickok 870  
Message-ID: <332734A4.417C@webex.net>



Ahoy!

Need documentation for a Hickok 870 transistor tester. (I has four tubes in it.)

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: Jerry <glockett@lightspeed.net>  
Subject: Hollow State Address  
Message-ID: <332772B6.6DDB@lightspeed.net>

Can anyone give me the name and mailing address (and cost) to subscribe to the Hollow State Mag? thanks

regards Jerry  
glockett@lightspeed.net

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Joe Eide <jeide@eau.net>  
Subject: HW-100 worth?  
Message-ID: <3327594E.1BD5@eau.net>

How much is an HW-100 worth in average condition?

Thanks in advance .. Joe - KB9R jeide@eau.net

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
Subject: info  
Message-ID: <3270bea0@scs.philips.com>

I need a current email ID for Steve Finelli (or at least one for a mailbox that is not full!). AOL makes me sick! Thanks.

Brian Harris WA5UEK  
to get price info on an Eimac tube. The lady I spoke to said that the line of glass tubes manufactured by Eimac was sold to a company by the name of Triton. No new price info was available and no date of

availability on production tubes from Triton was available.

A recent Eimac tube catalog I have has a paste-on label that indicates that Eimac, formerly a division of Varian Associates, is now Eimac Division of Communications & Power Industries. Address is still 301 Industrial Way, San Carlos, California.

I guess the only thing one can count on today is change...

Chip

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: Surplus Al <surplsal@tl.infi.net>  
Subject: Information  
Message-ID: <3327CEA0.21A1@tl.infi.net>

hI saw your post on Mil Stuff. Just some information, If you ever need Mil Tech Manuals on any of the posted stuff, I am ONE of the largest suppliers of Mil Tech Manuals in US. Partial lists now available.lcheck our Web Site. <http://www.cqws.com/zone1/surplus>

Regards Surpls AL

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Ho4bart@aol.com  
Subject: Re: Information wanted  
Message-ID: <970312130108\_-1338588259@emout10.mail.aol.com>

In a message dated 97-03-11 21:13:26 EST, skywaves@bw.webex.net (Al Klase) writes:

<< A few days ago a young  
> would-be Ham asked me if one could receive the Ham Bands on A Crystal  
> Set. I had no answer, has anyone out there. >>

well, think about it. no problem receiving the 'ham bands', but maybe a problem hearing anything: ssb and cw won't be hearable unless you provide an external signal, or a couple signals fortuitously happen to beat with a product in the audio range. but you're dealing with signals much lower power than the usual HF BC station which is in the 50 - 500 kW power range. more likely with a good antenna you can hear ( and distinguish ) at most several HF BC stations. hue miller

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Ho4bart@aol.com

Subject: Re: Information wanted  
Message-ID: <970312130401\_544226338@emout09.mail.aol.com>

In a message dated 97-03-11 21:13:26 EST, skywaves@bw.webex.net (Al Klase) writes:

<< A few days ago a young  
> would-be Ham asked me if one could receive the Ham Bands on A Crystal  
> Set. I had no answer, has anyone out there. >>

oh and, olde joke:

Customer: "Now, will this radio pick up the marine band?"  
Salesman: "Sir, if the Marine Band is playing, this radio will pick it up!"

hue miller

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: John Shriver <jas@shiva.com>  
Subject: Re: Inside Svetlana  
Message-ID: <199703121741.MAA21690@shiva-dev.shiva.com>

Well, Svetlana is not "the" tube manufacturer in the former USSR. There were, and are, others. But many of those other manufacturers made the "consumer" grade tubes, for TV's, radios, etc. Can you say "shoddy consumer goods", comrade? (Many of the tubes sold as "Sovtek" come from that factory.)

Basically, Svetlana is the best Russian tube manufacturer these days.

Among consumers of 6550 tubes, they find that the latest Svetlana 6550's (6550C1?) are far better (reliable, consistent) than the late production GE/MPD 6550A's.

They may still not be making tubes as good as a 1950's Tung-Sol 6550, but I think that Svetlana is about the best maker out there now.

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: tomrice@netcom.com (Tom R. Rice)  
Subject: Re: Inside Svetlana  
Message-ID: <199703122006.MAA29478@netcom7.netcom.com>

>  
> They may still not be making tubes as good as a 1950's Tung-Sol 6550,  
> but I think that Svetlana is about the best maker out there now.  
>

Besides, their engineering HQ is in Silicon Valley!  
What better recommendation could there be?

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice  
tomrice@netcom.com  
CIS: 71160,1122

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Re: Inside Svetlana  
Message-ID: <33274E10.7DE2@GHG.net>

Tom R. Rice wrote:

> > but I think that Svetlana is about the best maker out there now.  
> Besides, their engineering HQ is in Silicon Valley!  
> What better recommendation could there be?

Really? Last time I saw a Svetlana advertisement they were boasting about being headquartered in the city where the U.S. Space Program was born: Huntsville, Alabama. Down on south Memorial Parkway was the address for our fellow listmembers in HSV who might want to check it out...

73,  
Ben

--

\* Benjamin D. Hall, junque collector extraordinaire. \*  
\* Finally on the web at: <http://www.ghgcorp.com/bdhall> \*  
\* Located in Houston, Texas. E-mail: BDHall@GHG.net \*  
"Aio, quantitas magna frumentorum est."

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: Jim Lockwood <jml@innercite.com>  
Subject: Re: Inside Svetlana  
Message-ID: <3.0.32.19970312175756.006e5068@innercite.com>

At 12:33 AM 3/13/97 GMT, Tom R. Rice wrote:

>>

>> They may still not be making tubes as good as a 1950's Tung-Sol 6550,  
>> but I think that Svetlana is about the best maker out there now.

>>  
> Besides, their engineering HQ is in Silicon Valley!  
> What better recommendation could there be?

Uh, maybe if their engineering HQ was in "Vacuum Valley"? :-)

Jim - km6nk

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Dan Kerl <dlkerl@ro.com>  
Subject: Re: Inside Svetlana  
Message-ID: <332815C4.AF2@ro.com>

Benjamin D. Hall wrote:

>  
> Really? Last time I saw a Svetlana advertisement they were boasting  
> about being headquartered in the city where the U.S. Space Program was  
> born: Huntsville, Alabama. Down on south Memorial Parkway was the  
> address for our fellow listmembers in HSV who might want to check it  
> out...

Headquarters:  
8200 South Memorial Parkway  
Huntsville, AL 35802  
Phone: (205) 882-1344  
Fax: (205) 880-8077  
Toll Free: (800) 239-6900  
(in the R&G bldg, next to Krogers (Logan Dr. intersection))

Marketing and Engineering:  
3000 Alpine Road  
Portola Valley, CA 94028  
Phone: (415) 233-0429  
Fax: (415) 233-0439  
Toll Free: (800) 578-3852

Dan Kerl (Huntsville, AL)  
dlkerl@ro.com

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: "Ian Abbott" <ian@gene.COM>  
Subject: re: Inside Svetlana  
Message-ID: <9703130906.ZM18405@emerald.gene.com>

John Shriver said:

> Well, Svetlana is not "the" tube manufacturer in the former USSR.  
> There were, and are, others. But many of those other manufacturers  
> made the "consumer" grade tubes, for TV's, radios, etc. Can you say  
> "shoddy consumer goods", comrade? (Many of the tubes sold as  
"Sovtek"  
> come from that factory.)

I'd like to comment on the "Sovtek" tubes I'm familiar with.

The tube sold as a "5881" under the Sovtek label works \*very\* well in 6L6GC audio applications. I've got several pairs that get daily use in audio equipment and show no sign of deterioration after nearly five years. Their tube sold as a 12AX7WXT is also a durable, consistent, low-noise performer for audio applications.

I have no connection with Sovtek or their importers. I'm just a very happy customer.

Ian Abbott

--

THINK- it's not illegal yet.

```
~~~~~%~~~~~  
Ian E. Abbott          | abbott.ian@gene.com  %  
Genentech, Inc.        | Voice: 415.225.1793  %  
Fermentation/Recovery  | Pager: 415.655.9160 <"{}{}{}><  
Information Systems Group | Fax: 415.225.3541  _| _|
```

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Robert Fowle <hammarlund@jacksonmi.com>  
Subject: jennings cap fs...  
Message-ID: <332748EA.4B43@jacksonmi.com>

1 Jennings Vacuum Variable...UCSL 4-500 @ 3,000v...\$54 shipped  
this came from a Collins 180S1 tuner...  
thank you  
Robert

--

\*\*\*\* Visit my Web Page.....\*\*\*\*

=====] -[->

Robert Fowle            KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: hammarlund@jacksonmi.com  
My Web Page: <http://www.jacksonmi.com/hammarlund>  
BOATANCHORS Conference  
talk, buy-sell-trade all in one place!  
Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: tomrice@netcom.com (Tom R. Rice)  
Subject: jennings cap fs..What'd he say?  
Message-ID: <199703132037.MAA05693@netcom20.netcom.com>

>  
> 1 Jennings Vacuum Variable...UCSL 4-500 @ 3,000v...\$54 shipped  
> this came from a Collins 180S1 tuner...

I guess there's something about all this stuff that  
addles the brain. When I read the subject line, I  
actually visualized a baseball cap with the Jennings  
logo on it! "Neat-o", I said. Imagine my chagrin  
when I saw he was actually talking about one of  
Jennings' finest.....

Voting for the re-introduction of the term "condenser",

73 de WB6BYH

--  
"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice  
tomrice@netcom.com  
CIS: 71160,1122

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Ho4bart@aol.com  
Subject: Re: jennings cap fs..What'd he say?  
Message-ID: <970313160037\_-1036899714@emout18.mail.aol.com>

In a message dated 97-03-13 15:41:37 EST, tomrice@netcom.com (Tom R. Rice)  
writes:

<< Voting for the re-introduction of the term "condenser",  
>>

while we're on this, how can it be that the Cardwell Capacitor Co.  
is still in business? are they really still building the old  
"cheese slicer" type air variables?? hue miller

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Bob Duckworth <WB4MNF@atl.org>  
Subject: Johnson Thunderbolt  
Message-ID: <01BC2FCB.0D7F89E0@office>

I have a shot a Johnson Thunderbolt amp next week and  
was curious as to how difficult 4-400 are to find these days. Trying to  
figure what to offer for amp with bad tubes. Also, with the amp is the  
little Johnson 'swamping resistor in a box'.

-bob

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: Johnson Thunderbolt  
Message-ID: <199703132208.QAA29923@smtp.gte.net>

> I have a shot a Johnson Thunderbolt amp next week and  
> was curious as to how difficult 4-400 are to find these days.

RF Parts has a Chinese 4-400A for around \$120 I think. Last time I  
checked they wanted about \$225 for an Eimac 4-400C.

They're easy to find. But the Eimac is pricey and I can't speak  
to the quality of the Chinese version, although RPF claims they sell  
a lot of them to the broadcast industry.

Grant/NQ5T

Grant Youngman -- NQ5T  
nq5t@gte.net  
[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)  
Double Oak, TX (near Dallas)



From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: ARONGV@aol.com  
Subject: Klystrode Question  
Message-ID: <970312113633\_-2041070339@emout02.mail.aol.com>

Hi Gang:

In response to several messages asking what on earth a Klystrode is, here goes:

The Klystrode was first manufactured by Eimac/Varian. It's a hybrid klystron that internally looks a lot more like a Tetrode, which is how it got its name, klystron/tetrode = Klystrode.

It works in high power UHF TV transmitters and takes the efficiency up into the 70-80% efficiency range, saving broadcasters lots of power bills.

The Silicon Carbide solid state device is so hot now because it can handle four times the power of a typical silicon RF device. Harris Broadcast (Quincy, IL) will show the first Silicon Carbide-equipped transmitter at the NAB convention next month in Las Vegas.

Ron W00IZ

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: kc5kfv@onr.com (Lynn Fisk)  
Subject: Lost Control of NCX-5  
Message-ID: <199703132028.0AA111168@Sierra.onr.com>

I have a very nice looking NCX-5 that I have lost control of. The problem began on 20 meters, operating push to talk, when the relay started throwing itself into transmit position, clicking in and out of transmit rapidly. This now occurs on 40m, 20m, and 15m, but not very often on 10m and 75 meters. If I throw the vox/ptt switch into vox position, the rig settles down, but I find that the vox is not operating. The manual transmit/receive switch works correctly.

Checking the voltages on V-8B (6GH8), the relay control triode, I find about -.8 volts on the grid (pin 9) in receive position when the book indicates that it should be zero, and when the rig begins to throw itself into transmit position, I get about -20 or -30 volts on that pin. I assume this is the reason the relay is throwing, but where is it coming from, and why does it almost never occur on 75 and 10 meters?

Also, there is a loud chirp when keying the rig. I don't know if this is related to the problem.

Has anyone ever had this problem with this radio? Can anyone offer me any advice? Thanks, Lynn Fisk, WA5DUK.

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: jcreid@CCGATE.HAC.COM  
Subject: Lubricants  
Message-ID: <9702138582.AA858268413@CCGATE.HAC.COM>

Hi Gang,

There's been a lot of talk lately about lubricants, oils, etc. Someone awhile back mentioned the Kroil line of products from Kano Labs. One product I've used of theirs with good success is Microil. The label says it's an instrument oil suited for many applications. It comes in a quart can similar to charcoal lighter and they used have a deal when you bought the quart, they'd throw in a Microiler. This is a little plastic squeeze pen with a hypodermic needle at the end. Real handy for getting some oil into tight places. My Microiler has long since bit the weenie(the plastic cracked where you squeeze it and leaked everywhere), but I still use the oil. Now I put the oil in a polyethylene bottle with an even finer needle. The bottle is made by Plato Products, Industry, CA and works FB. Hope this info helps you keep the wheels spinning.

-Jim N6SVS  
jcreid@ccgate.hac.com

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Karan Lee Carruth <klccarru@tenet.edu>  
Subject: Re: Lubriplate  
Message-ID: <Pine.OSF.3.91.970312132045.12301A-1000000@Joyce-Perkins.tenet.edu>

>  
> Remember, folks that is exactly what Lubriplate, or any other lithium-  
> soap based lube is for -- sliding surfaces. Not really designed for things  
> like bearings.

If ball bearings didn't have sliding surfaces, they would not need ANY lubrication!

Lubriplate has been manufactured for years for use in bearings. They even

make a water resistant version for use in boat trailer wheel bearings, etc.

Lithium based lubricants are almost universally used to lubricate automobiles.

Best regards,

Lenox

-----  
Lenox Carruth, WA50VG  
Dallas, Texas  
Carruth@swbell.net  
-----

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Tom Norris <badger@telalink.net>  
Subject: Re: Lubriplate  
Message-ID: <3.0.1.32.19970312191734.0070335c@telalink.net>

Oh well, guess I can't always believe the local shade tree mechanics every time... :-)

Tom

At 07:26 PM 3/12/97 GMT, you wrote:

>If ball bearings didn't have sliding surfaces, they would not need ANY  
>lubrication!  
>  
>Lubriplate has been manufactured for years for use in bearings. They even  
>make a water resistant version for use in boat trailer wheel bearings, etc.  
>  
>Lithium based lubricants are almost universally used to lubricate  
>automobiles.  
>  
>

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: "John D. Peters" <k1er@gte.net>  
Subject: LubriPlate  
Message-ID: <3327DD3D.7A3C@gte.net>

I don't know why there is misunderstanding on the difference between sliding and rolling friction.

LubriPlate is wonderful for (1) the hoist and launching ramp for missiles on an SSBN like USS Halibut (2) the cam groove on the bottom of a record turntable that drives the pickup arm and changer (3) cams in sewing machines (4) latches.

MolyLube or High Pressure Bearing Grease of the appropriate SAE weight should be used for bearings.

Every shop needs at least a shelf full of lubricants.

73 John K1ER

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Michael Hanz <AAFRadio@erols.com>  
Subject: Lubriplate  
Message-ID: <332873C6.637A@erols.com>

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: dfrancis@access.usa.net (Dexter Francis)  
Subject: Re: MIL/ANSI Specs for vehicle Electrical Systems?  
Message-ID: <v01520d00af4e19c951dc@[207.0.57.74]>

Does anyone know if there is an ANSI or MIL spec that governs/describes the voltage and noise levels on vehicle electrical systems? I assume something like this must exist, otherwise how do the designers of vehicle mounted electrical equipment know what sort of noise and voltage range to expect?

tnx in advance

-df

\* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 \*  
\* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net \*  
\* For a current listing of New and Used Tubes try \*  
\* [http://www.usa.net/~dfrancis/CWest\\_Tube\\_Sales.html](http://www.usa.net/~dfrancis/CWest_Tube_Sales.html) \*

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: don merz <71333.144@CompuServe.COM>  
Subject: Misc Gear FS  
Message-ID: <970312200115\_71333.144\_DHB57-1@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com

Millen Model 90810 VHF Transmitter. This is a plug-in coil VHF TX covering 2, 6 and 10 mters. It is a 19" rackmount unit, CW only. I have a few of the coils with it but not many. Good or very good cosmetic condition with some minor paint chips. Untested. Requires external power supply which I do not have. \$110

Lafayette "Explor-Air Mark V" general coverage HF receiver. Excellent looking with genuine imitation woodgrain metal cabinet. Works great. \$40

P&H Electronics DI-1 RF Distortion Indicator. 3" 'scope in nice gray powdercoat cabinet. About the size of the CE MM-1 modulation monitor 'scope. Front panel selector switch allows selection of trapezoid or envelope display. SO-239 IN and OUT connectors on rear for low-level RF and high-level RF. Looks excellent, almost like-new. Untested. \$70

RCA Radiomarine Cruisephone 35. This cute 12vdc rig covers the 2mc marine HF band with 6 crystal-controlled channels. Nice looking unit with hand mic. Should be easily modified to work on 160 meters. Inside looks brand new. Untested. \$30

Pentoy "Star Signal Set" code practice buzzer. Paint is long gone but this must have been a cute 1920's or 30's code toy. As-is. \$14

Lafayette TM-20 Audio Level Meter. Brand new in the original box with original instruction sheet. \$8

Hallicrafters SX-62B. Huge 1965 general coverage receiver in the "B" model with the nicer new-look knob style. Made only one year. Big slide-rule dial has caused dial-envy throughout the BA community. This one is near-mint and works almost perfectly. The only flaw is the low BFO injection in CW mode makes CW and SSB ugly to copy. All tubes are the original Hallicrafters brand tubes except one. With manual. This radio is an eye-popping 9.75 on a scale of 1-10. \$265...with matching R-42 speaker (Many cabinet paint dings including 3 big spots on top, but the front is excellent). Works perfectly: Add \$60 to SX-62B price. Not sold separately.

Hallicrafters SR-160 HF transciever. Nice radio with AC and DC power supplies but AC supply has blown power transformer. Front panel looks excellent or better but one knob is wrong. Cabinet shows that the radio has obviously been mobile. But the overall look is very good. With original manual. \$130

DeWald Motortone Model 605 car radio. This is a handsome cube-shaped black wrinkle radio with a chrome speaker grille. The only 2 controls, volume and tuning, are extended via mechanical cables

to a control head designed to be mounted on the steering column. This radio is complete and looks good. But the control head is missing the dial face. Tube complement is 6 glass tubes, 3 of them in Goat tube shields, 2 of the others are 41 and 75. I didn't check the rest.

So my guess on the year of manufacture is 1936 or so. \$22

Electro Voice 647 microphone. High impedance, saltshaker mic. No cord.  
\$17

Amperite replacement ribbon for 7-point velocity microphone. New in original packaging. \$7

Military RBM-5 receiver CAY-46077-A (HF, S/N 420), Westinghouse Electric and Manufacturing Co., contract NXsr-38081, no date. WWII 2mhz-20mhz general coverage receiver for ground use. Very good overall cosmetic condition. Front panel is excellent. All original--no mods. Unworking. \$90

Military AC power supply CAY-20086 for the above RBM radio. Very good condition but has unoriginal toggle switch on front panel. Also the original rubber feet are missing. \$50 with connectors to attach PS to RBM. I will not sell this until I see if the HF RBM buyer wants it.

Military remote control box CAY-23278 S/N 1599 designed to control the HF and MF RBM radios from a single location. Very rare accessory. Some paint chips but nice condition overall. \$85

Military BC-640 VHF transmitter. WWII-era VHF ground station designed for AM operation around 135 mc. 6-foot tall rack with 7 separate chassis including amplifier, oscillator, modulator, control, 2 power supplies and power control. Made by Bendix Radio for the Canadian military and has all the Canadian tags all over it. I was told this was in use as recently as 15 years ago at the Wheeling, West Virginia Airport. It is all original and complete except for some missing tubes in one of the power supplies. The paint is decent, though aging. The chassis and some transformer cases show signs of surface rust. The whole unit weighs about 400 pounds. But you'd have to be crazy to want this thing (which is why it is on this list <g>). You'd have to be even crazier to pay for shipping but it could be shipped with each chassis in a separate box. The rack is obviously not shippable. With original maintenance manual. As-is. \$120  
This is the companion TX to the BC-639 receiver (which I do not have).

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: pmills@A.crl.com (Phil Mills)

Subject: National NCX-3 question

Message-ID: <199703132007.AA04049@A.crl.com>

I have an opportunity to acquire an NCX-3 with power supply in good condition. Can anyone give me an approximate value for this? Can anyone tell me a little about it?....Unfortunately, there is no "transceiver" book out yet....

thanks & 73,

Phil

\*\*\*

Phil Mills, AB5TH               \*\*\*\* WTB S-meter for 75A4       \*\*\*\*\*  
pmills@a.crl.com               \*\*\*\*       bottom cover "       \*\*\*\*\*  
281-992-5762 DAYS               \*\*\*\*       80 mtr RF coil "       \*\*\*\*\*  
Friendswood, TX   (south of Houston)

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Matt Jodziewicz <mattj@oraus.com>  
Subject: National Speaker Help  
Message-ID: <01BC2F8D.18005360@mattj.oraus.com>

Last night I received a National speaker supposedly  
for a NC183D. It is a medium gray in color and measures  
13 x 11 inches. I compared it to my current National  
speaker that is a darker gray and measures 10.5 x 10.25  
inches.

Now for my question you National experts,  
what is the proper speaker to use with my HR060??  
I checked the photos in Osterman's book and it looks  
like the larger speaker is the correct one and the  
smaller one is for an HR07. Can anybody help??  
Is there a model number hidden somewhere on the  
speaker itself??

Second, does anybody know a good match for the  
HR060 gray??

Thanks.

Matt WB2VZS

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: km1h@juno.com  
Subject: NCX5 document scanning  
Message-ID: <19970313.154944.9231.9.km1h@juno.com>

MANY tnx to all who responded. I have mailed the document off to one  
person who hopes he can recover it. If not I will try again.

73...Carl KM1H

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Jack Harper <jharper@bs2000.com>  
Subject: Need HQ-170A Snd/Rec Switch...  
Message-ID: <199703131439.HAA17050@lynx.csn.net>

Well hi there...

After having gone through the experience of repairing and aligning my HQ-180 receiver (which only took 3 months :), I have finally gotten up the courage and energy to tackle an HQ-170A that I bought off the net about a year ago. Hopefully, this one will go a little faster now that I have "all that experience".

Usual story -- 40 years of dirt and spider webs -- but after hosing the thing and cleaning it thoroughly with windex, cotton swabs, etc and a final light coating of wd-40 -- I have discovered that it is in fairly good shape. Cosmetically, the guy is probably a 9 or so -- it looks very good. However, I have to go through it and check voltages, capacitors, resistances, etc and then align the thing.

However, one thing that I have noticed is that the SEND/RECEIVE/CAL switch is broken -- it unfortunately just spins with no resistance at all -- there is a leaf spring kind of gizmo that provides tactile feedback(?) (i.e., resistance to turning) and the spring appears to have managed to fall off or just break.

Is there any chance that someone out there has a parts unit (any 170 of the series I think would work fine) that they would be willing to part with that switch? I can recreate something somehow with a trip to the hardware store but it would be wonderful to have the original switch. Perhaps we could work out some sort of trade or whatever.

Regards

Jack, KC0LR (Friend to all things Hammarlund)

-----  
Jack Harper Bank Systems 2000, Inc.  
e-mail: jharper@bs2000.com 350 Indiana Street, Suite 800  
voice: 303-277-1892 fax: 303-277-1785 Golden, Colorado 80401 USA

"21st Century Financial Applications"  
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Visit our Web Page: <http://www.bs2000.com/talos> (Last Update: 960926)

1024-bit PGP crypto key with ID: 8FB07075 created 960728  
Fingerprint: 75 DA 06 35 F8 3D AC EC 3A F2 7C 59 A1 11 A5 74  
Key available from Public Key Servers and above Web Page  
-----



From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Nems Clarke 1674  
Message-ID: <33276007.4E9F@GHG.net>

Hiya Tube Dudes...

Anyone have any data on a Nems-Clarke 1674? I've got a line on one and was wondering if anyone knew the freq range and the bandwidths?

Thanks and 73,  
Ben

--

\* Benjamin D. Hall, junque collector extraordinaire.       \*  
\* Finally on the web at: <http://www.ghgcorp.com/bdhall>       \*  
\* Located in Houston, Texas. E-mail: BDHall@GHG.net       \*  
  "Aio, quantitas magna frumentorum est."

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: PCB in caps?  
Message-ID: <Pine.SUN.3.95.970312233251.14467D-1000000@coyote.rain.org>

About four years ago (while still working for "Uncle"), I called the HAZMAT guy at the Naval Sea Systems Command to ask what components had PCB's and during what years they were manufactured. He said the usage began around 1929 and continued through about 1979. He also said that they were used in more than just capacitors (transformers, dummy loads, resistors, inductors, etc.). He did admit that some of these had just trace amounts, but they were still PCB's. I'd be suspicious of "pole pigs" of ancient manufacture, oil-filled caps, oil-filled dummy loads, etc. (At my age, though, I don't plan to lose any sleep over it!)

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "David D. Meacham" <ddm@datatamers.com>  
Subject: Re: PCB in Caps????  
Message-ID: <Pine.LNX.3.91.970312102149.13542A-1000000@dt1.datatamers.com>

Eugene,

Usually, caps without PCBs say so on the label. Otherwise, obvious age is an indicator, but not a sure way to tell.

73, Dave, W6EMD

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: Larry Kayser <lkayser@rideau.net>

Subject: PCB's and how well you sleep.....

Message-ID: <2.2.32.19970313184246.0069ab18@mail.rideau.net>

Our good friend Ray Mote wrote...

" He did admit that some of these had just trace amounts, but they were still PCB's. I'd be suspicious of "pole pigs" of ancient manufacture, oil-filled caps, oil-filled dummy loads, etc. (At my age, though, I don't plan to lose any sleep over it!)

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA"

Well Ray, just remember that every rural municipality in the USA and Canada in the 1930's, 40's and early 50's used to get old transformer oil from the Power Company every summer to put on the gravel roads to keep the dust down. That old oil, the good stuff 100% PCB's, was pretty important as it kept the taxes down and solved every rural politician's dusty roads problem. The nitwits that are drilling holes these days in every device in older boatanchor radios are creating a far bigger nightmare than they are solving. As usual bureaucracy gone mad. The bureaucracy could do more good and less harm overall with a pickaxe and a shovel getting the PCB's out of those old roads.

Larry

va3lk / wa3zia

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: Walter Dail <dail@CEBAF.GOV>

Subject: Price difference

Message-ID: <1.5.4.32.19970313215955.006d5aa4@jlab.org>

OK Already!

Yes, I listed I wanted to trade an SB-401/303/301 for a Johnson Valiant or a Johnson 500, but I DO EXPECT to pay the price difference for the 500.

I should have stated that to begin with. I didn't think I would get that many of you upset with details. However, I feel it's a fair even

trade for a Valiant.

Walter Dail-KT4JA  
dail@cebaf.gov

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "Cliff Blakey" <cblakey@cyberlink.bc.ca>  
Subject: Puyallup sightings  
Message-ID: <199703121712.KAA20632@dns.cyberlink.bc.ca>

Hi to all those that were at Puyallup;  
Does anyone know who had a gold plated key for sale at Puallup, and  
who had the box of radio dial plate escutcheons?  
A friend of mine lost the address for the key and I missed the  
escutcheons.

Sincerely,  
Cliff Blakey

Western Wireless Company:  
112C Van Horne St., "5th Ave. Plaza"  
(Box 398 Cranbrook, B.C. V1C 4H9 Canada)  
Tel/Fax 250-489-5874  
Cliff Blakey  
VE7WWC  
cblakey@cyberlink.bc.ca  
Please visit our "Antique Radio Store"  
at:  
<http://www.cyberlink.bc.ca/~cblakey/>  
Preserving Yesterday's Wireless Heritage.

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Question on Stagger tuning IF's.  
Message-ID: <UPMAIL03.199703122329520164@msn.com>

Hey Gang, amongst other activities Ive had to indulge in today. i.e.  
Wife drove her Honda in to steering wheel depth water this morning in  
the Great rains we had in Houston, nothing like Arkansas , but just as bad.

I got to thinking about sweep generators and stagger tuning I.F.'s.

Now , invision a fictitious receiver with 2 i.f. amps at 455kc. Thus we have  
3 if cans. If I were to stagger tune, would I align all the cans with + or -

signals other than 455. Example 10 kc bandwidth., First can 460kc, next 450kc and last straight on at 455.

Or first can after the mixer straight on at 455kc and stagger the rest.

Sure wished I had a sweep generator, but I would still have the above questions?

Can anybody get me straight on this ?

Thanks Al

fritsche@msn.com

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: launerb@crl.com (William H. Launer)

Subject: Re: Question on Stagger tuning IF's.

Message-ID: <v01530500af4d26fa57f1@[192.0.2.1]>

Here's what it says in "Applied Electronics", by Gray (1955):

"When a frequency characteristic with a flatter top than that obtained with a single resonant circuit is desired, double-tuned transformer coupling is often utilized. This type of coupling is accomplished by the addition of a second tuning capacitor connected across the primary terminals of the coupling transformer, and is sometimes called band-pass coupling. By adjustment of the parameters in the circuit, the frequency characteristic may be made to have a relatively uniform voltage gain over a band of frequencies and sharply defined boundaries at the limits of the band. A still wider band-pass characteristic is often obtained through stagger tuning; that is, through cascading several tuned amplifier stages having different resonant frequencies. Such circuits are often used in the intermediate frequency amplifiers of superheterodyne radio, radar, and television receivers, which amplify over a fixed frequency band."

73, Bill wb0cld

Bill Launer

St. Charles, MO

launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]

qrp-1 #279            qrp arc1 #3551

Grid Square EM48RT

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: douga@rosevax.rosemount.com (Doug Arntson)

Subject: Question regarding Heath SB401

Message-ID: <199703131608.KAA01778@scar.sunserv>

Greetings,

I have a SB401 that I am trying to get on the air. All is well now except for some 60 hz on the carrier. Using a scope it is apparent on the plate of the 6CL6 driver.

It appears to be coming from the 250 VDC power supply. Isolating the supply from the rest of the xmtr, I see 6 Vpp of 60 Hz under full load. No load I see about 200 mVpp. Now the manual says the supply is designed for a 'low' percentage ripple. Well, how low is 'low' and how much ripple would one expect ?

The supply is a simple voltage doubler with a LC pi filter. I suspect that the capacitor(s) are possibly at fault or a shorted choke. Before I rip that capacitors out (which is a major undertaking) and replace them, I thought I would ask what is a reasonable ripple to expect. I just assume since its 60hz modulated on the carrier that it is a power supply problem.

I assume that when caps fail, they short or open. When I turn the power off, they still hold a pretty good charge when I discharge them by shorting them to ground. Perhaps they are just leaky ??

Any help appreciated.

Thanks & 73's

Doug, K0PX

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997

From: Morris Odell <morriso@vifp.monash.edu.au>

Subject: Re: Question regarding Heath SB401

Message-ID: <332871D7.676D@vifp.monash.edu.au>

Hi,

Doug Arntson wrote:

>

>

> It appears to be coming from the 250 VDC power supply. Isolating the  
> supply from the rest of the xmtr, I see 6 Vpp of 60 Hz under full  
> load.

>

> The supply is a simple voltage doubler with a LC pi filter.

>



My speculation:

The "english" means "if you want the reading in english", eg "good" or "replace". In this case the Gm scale is not relevant (except as a means of recording relative "good"ness). But if you want to read actual Gm, the "english" setting is ignored, and the "english dial" is instead turned to one of the 3 scale settings (eg 3000,6000,15000) appropriate for the specified Gm of the specific tube.....

--Ethan

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: Don Flenner <w3ych@mindspring.com>

Subject: Reference Shift Modulator

Message-ID: <3.0.1.16.19970313083515.34af1d9c@pop.atl.mindspring.com>

Hi All,

I recently built a little homebrew rig, 6AG7/807 for 75 meters. I had thought of various ways to modulate it, then found an article in ER November 1996 about Reference Shift Modulation. This sounded interesting, so have put one together.

I have good news and bad news. The audio sounds quite good, however I can only modulation the carrier about 50 to 60%. In the article the author states that the plate current on the 807 modulator should kick up on voice peaks. This one does not move very much , just stays around 30 mils.

Has anyone out there in BA land put this thing together or have any experience with this type of Heising modulation. Any thoughts or suggestions would be welcome.

Regards to all.

73, de Don, W3YCH

Kennesaw, Georgia

w3ych@mindspring.com

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997

From: "David L. Thompson" <thompson@mindspring.com>

Subject: Scotland

Message-ID: <1.5.4.16.19970312111759.37e711c8@pop.mindspring.com>

I will be in Scotland for a meeting from Wednesday March 19 through Sunday March 23. I will be staying at a guest house at 24 Northumberland Street near Edinburgh city center. Business first on Thursday and Friday but open

on Sat and Sunday.

Looking for electronic store etc in the area. Please E-mail direct or leave a note with the landlord, David Ingram. Tell him my name and KAL Software (my client).

Thanks in advance..

David Thompson (Dave ) K4JRB

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: eb5agv@ctv.es  
Subject: Shure 444D & S-line?  
Message-ID: <1.5.4.16.19970313064618.2d176a06@192.168.0.1>

Hello BA list-eners! :-)

I have the opportunity to get a 'like new in box' black Shure 444D (\$50, is it a good price?), and I wonder if you can enlighten me about using it with my Collins S-line. Currently I have hooked a hand held Shure (453A??? I don't remember now... It is a high impedance, green mic, with a red PTT button) and an Astatic D-104 with preamplifier. I get better reports with the Shure, but I'm sure I can get better audio with another mic. Please, any comment about suitable microphones for S-line will be also welcomed.

Thanks and best regards.

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia (IM99TK)  
SPAIN

\*\*\* PLEASE, VISIT MY HOME PAGE AT : \*\*\*  
<http://www.geocities.com/SiliconValley/6992>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Ho4bart@aol.com  
Subject: small paper trivia items avail  
Message-ID: <970312133026\_986514756@emout12.mail.aol.com>

sorry, couldn't think of a better title to help you avoid this



if not of interest.

for hardcore collectionists, these small items are avail,  
free, just claim and note postage requirement. if no  
answer to ur request assume gone. tnx, hue miller

1) Collins svc bulletin 32s1 32s2 bulletin #2 4/1960  
improve carrier suppression. send 9x12 envelope with  
2 stamps on it.

2) Hammarlund one page advert sheet for HQ-110  
same postage story as above.

3) R.L. Drake newspaper obituary, one column, 1975,  
business size SASE.

hue miller

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Mike Warren <m\_warren@compuserve.com>  
Subject: re: Spring Cleaning/Free stuff -- Status Update  
Message-ID: <199703131043\_MC2-1282-9ED6@compuserve.com>

Hi Gang,

Ron didn't tell me I spend the rest of the week sorting out email requests!  
All the manuals were spoken for within about 12 hours. There is certainly  
a lot of pent up demand for manuals out there in BA land -- and a lot of  
folks using the URM-25 sans manual.

Here's the score -  
HP-23: 6 requests  
HQ-129X : 8 requests  
NC-173: 3 requests  
URM-25: 14 requests  
ER: 2 requests

For those that need 'em, Gary at W7FG has both Army and Navy versions of  
the AN/URM-25D manual. That's how I wound up with an extra copy -- this  
old sailor just had to have a Navy version.

Not a whole lot of interest in the crystals, though.  
The following are still available for a single stamp:

7070 - 2  
7100 - 1  
7115 - 1  
7144 - 1  
7159 - 2

7174 - 2

7218 - 2

And I found five more. These are in the metal CR-18A/U holders and are marked "CZX":

1942.000 KC - 2

1943.000 KC - 3

73,

Mike W5MAZ (in MN)

m\_warren@compuserve.com

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: "Bill Richarz" <wricharz@transprt.com>

Subject: Stancor Transformers

Message-ID: <19970312214659.00ef565f.in@transprt.com>

I have 2 Stancor transformers that I have measured the voltage on, but not sure about the current handling capabilities. Here are the numbers:

No. 1 Transformer: Stancor P-8043, has 120 Volt primary.

No. 2 Transformer: 6300052

Stancor

306018

Can anyone supply information on these?

Thanks for the Help,

Bill, N4DH

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: "Jim Zellmer" <zellmer@raccoon.com>

Subject: Swamping Resistors for Hallicrafters HT-33A Amplifier

Message-ID: <199703130452.WAA06935@slip1.raccoon.com>

A few days ago I put a query on the list looking for information about replacements for the three

GLOBAR	physical size	
TYPE CW		5/8"OD x 2"long
200 OHM		
20 Watt		

swamping resistors in my HT-33A amp. I recieved several replies, but wound up with dead ends.

I did find a current source for the GLOBAR line, which is now made by an outfit by the name of CESIWD in Niagrai Falls NY. They can make a replacement, not a stock item for about \$60 each, with some price breaks when the quanity goes over 10. The price on the surface seems kind of steep, but considering the thing ends up being a special and knowing what shop time costs per hour, perhaps the \$60 each is reasonable. The delivery was about 4-6 weeks.

Before I committ to spending \$180 for three resistors, does anyone have an idea for suitable substitute and its source.

And, as a second possiblity, is anyone else looking for these resistors, because when the quanity goes up the unit price comes down.

73 ES GOD BLESS U ES URS

JIM ZELLMER, KA0VSL

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: Galpind@aol.com  
Subject: Sweep Tube Tuning  
Message-ID: <970313075117\_-1874446158@emout15.mail.aol.com>

Hello from Colorado,  
I have seen several postings lately on tuning of sweep tube rigs. I have been working with a Swan 500 lately and the Swan has a pre-tune procedure that gets reasonably close without hitting the 6LQ6s too hard. Whether this will work for other rigs depends on the metering, you need to be able to measure cathode current.

Start out with minimum loading, inject a little carrier (on the Swan you unbalance the carrier), peak the PA grid and dip the PA plate, then zero out the carrier. This will get you close enough that all you have to do in the nasty TUNE position is peak up the loading and touch up the PA plate. You shouldn't have to touch the PA grid.

Keep those sweep tubes glowing!

73, Dave, KB0LP, Littleton, CO

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: Richard Loken <richardlo@devax.admin.athabascau.ca>

Subject: to he who broke his Tek 547 CRT

I recall seeing a note from somebody who trashed his 547 CRT

Well...

W.J.Ford in Smiths Falls, Ontario (613)283-5195

has a:

Tek 154-0568-00 pullout with graticle for CDN\$50.00

Thought of buying for myself but I bought \$550.00 worth of building materials on credit this morning and my wife is already giving me the fisheye for various reasons. Sigh...

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those  
Athabasca University : tuques we wear, our heads  
Athabasca, Alberta Canada : are naked!"  
\*\* richardlo@admin.athabascau.ca \*\* : - Arthur Black

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: Walter Dail <dail@CEBAF.GOV>

Subject: Trade SB-401/303/301 for Johnson 500

Message-ID: <1.5.4.32.19970313140215.006be684@jlab.org>

Hello All,

I have been wanting a Johnson 500 transmitter or a Valiant transmitter so I can try my hand at ancient modulation on 75/160 meters. So, I would like to swap my extra Heathkit station I never use.

SB-401 transmitter - front panel/knobs are mint. cabinet has a few nicks but is excellent. Worked good last time fired up.

SB-303 receiver - same condition as SB-401 Worked good last time fired up.

SB-301 receiver - very good condition, Panel excellent/knob inserts are scuffed a little. Worked good.

All three are clean. The transmitter probably needs an alignment though and tubes checked out(finals are fine). I have all the manuals for these. If you have a Johnson 500 or Valiant in good working condition that looks nice and want to trade for all three of these units drop me a line. I just have no desire to put this station back on the air. It would make a nice station for someone who likes green radios.

Thanks,  
Walter Dail - KT4JA  
dail@ceba.gov

From boatanchors@sco.theporch.com Wed Mar 12 19:53:28 1997  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Trade: Big Ole Computer Electrolytics!  
Message-ID: <m0w4z0W-0000WGC@e-tex.com>

Hello HB Ampers,

I've got 10 ea. 1900 UF, 450 VDC caps that I would like to trade for 800 UF, 450VDC caps. Thinking about one of mine for two of yours.

Build that high C PS for that amp you've been thinking about.

73 de Pete WA5JCI

\*\*\*\*\*  
EM-21--6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC/618 Grids  
\*\*\*\*\*

From boatanchors@sco.theporch.com Thu Mar 13 16:22:31 1997  
From: mack@mails.imed.com  
Subject: Trees as supports  
Message-ID: <9702138582.AA858294055@mails.imed.com>

Hey Y'all:

I'm just catching up on digests. I saw a thread back in Feb about using trees for antennas. What think y'all about using nylon or whatever webbing about 3 inches wide? This should distribute the load over the trunk well enough not to cut the bark? Usual caveats about sun compatible of course. This webbing is like the military uses for hold downs in cargo aircraft.

Ray Mack  
WD5IFS  
mack@mails.imed.com  
Friendswood (Houston), TX

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997

From: gagiles@juno.com (Garred A. Giles)  
Subject: URC4 & inquiries  
Message-ID: <19970313.061032.8279.3.gagiles@juno.com>

I've just discovered boatanchors but am not a ham but being of the vint-age appreciate the 'firebottle' technology. ( i teach social studies and technology and the history of technology is a big interesting subject for me and therefor try to lay it on my students : what are those glass things, mister? at any rate, as a former ham novice and swl i've come across a couple of items of interest that i need info on:1. RT-159B/URC-4 submini tube transceiver Korean war vintage. what's it value? only mod is a new plug for battery pack which never appeared . i've had this around since 1957.2. mystery transceiver. only markings on box: 5663 pt. no. N650370-1 s/n 1-825. has 19 sub mini tubes, a telephone handset & ran off a 2 volt wet cell and vibrator in lower attached box. uses 4 xtals and a spare. need info and schematic.3. is there a similar boatanchor port for types like me who have commercial type boatanchors in fancy cabinets that my parentsand i listened to amos n andy on? such as Zentiths, rca's, philco's, silvertones, studebaker car radios with column control ??4. FREE: have major part of Hallicrafter HT-37 chassis. whoever wants it can have it for shipping (i can get it to you fed-ex for 75% off) no manuals,no cover, no tubes. some corrosion. since i'm in Puerto Rico...it may not go anywhere but I can't throw it out with out a try.agradezco cualquier contestacion..any response appreciated.

From boatanchors@sco.theporch.com Thu Mar 13 08:55:10 1997  
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>  
Subject: [Fwd: Military Stuff]  
Message-ID: <332801E6.424A@postoffice.ptd.net>

Path: news.ptd.net!newsgate.ptd.net!news.fast.net!uunet!in2.uu.net!152.163.170.17!  
newstf01.news.aol.com!audrey01.news.aol.com!not-for-mail  
From: nuvistor@aol.com (Nuvistor)  
Newsgroups: rec.radio.swap  
Subject: Military Stuff